

Codon optimized sequence of human ORC genes

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 An abbreviated version of this protocol was published in eLIFE in Aug 2020






The dynamic nature of the human origin recognition complex revealed through five cryoEM structures

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Detailed protocol

I have attached the optimized sequences of the ORC genes 1-5. Keep in mind, ORC1 is truncated on the N-terminus from amino acid 1-470. Also, as mentioned in the paper, we have a strep tactin tag on the N-terminus of ORC3 (not included in sequence).

Related files

| | |
|--|---|
|  HsORC1_optimized.txt |  |
|  HsORC2_optimized.txt |  |
|  HsORC3_optimized.txt |  |
|  HsORC4_optimized.txt |  |
|  HsORC5.1_optimized.txt |  |

How to cite: (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Jaremko, M. J.(2020). Codon optimized sequence of human ORC genes. Bio-protocol Preprint. bio-protocol.org/prep542.
2. Jaremko, M. J., On, K. F., Thomas, D. R., Stillman, B. and Joshua-Tor, L.(2020). The dynamic nature of the human origin recognition complex revealed through five cryoEM structures. eLIFE. DOI: [10.7554/eLife.58622](https://doi.org/10.7554/eLife.58622)

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